

Antenna Datasheet

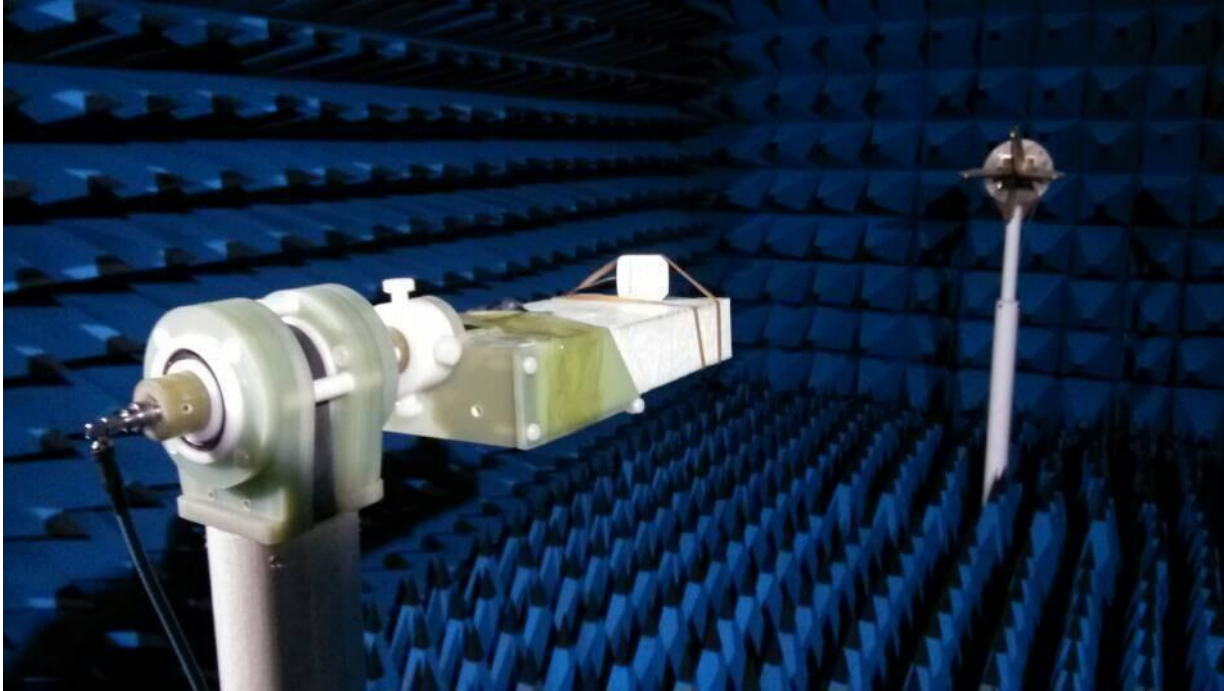
Project Name: BTD020C

Antenna Band: 2.4 GHz

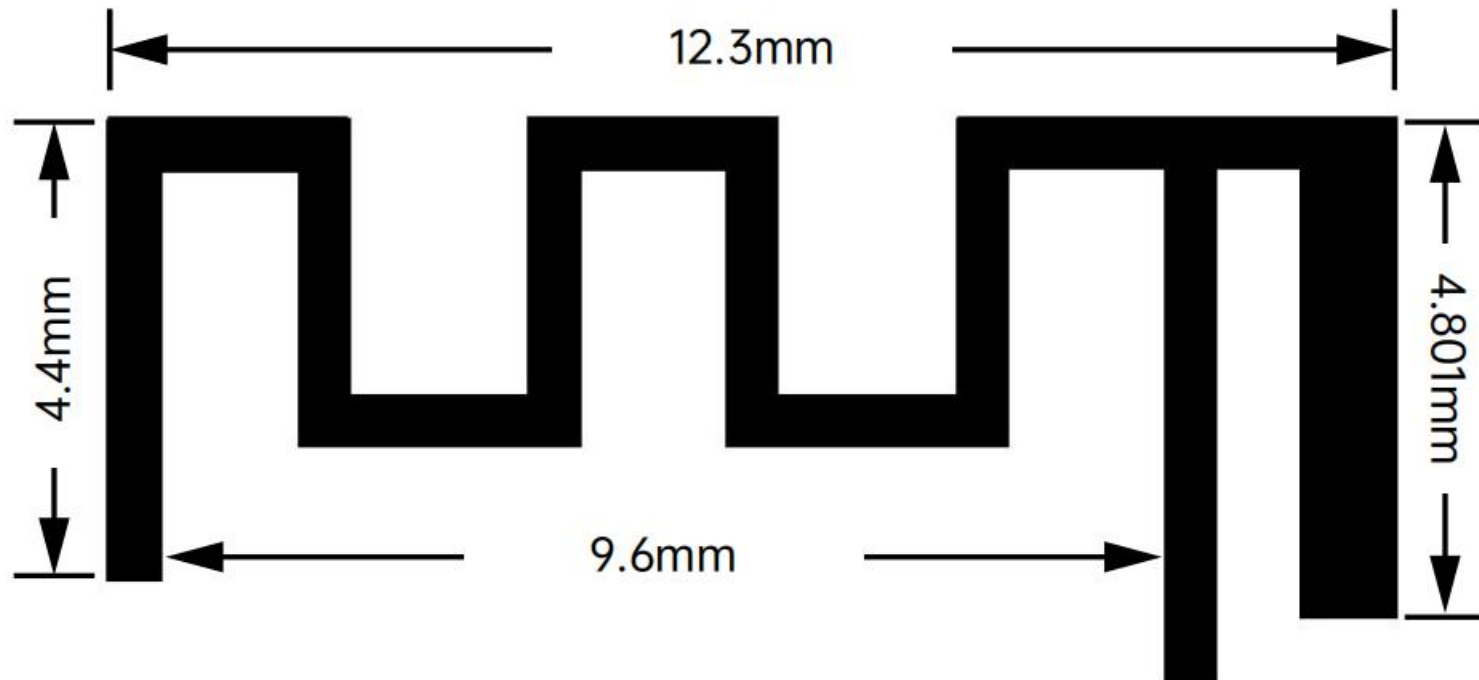
Date: April 2, 2025

Type of Antenna: PCB Antenna

Antenna Test Environment



Antenna Outline Drawing



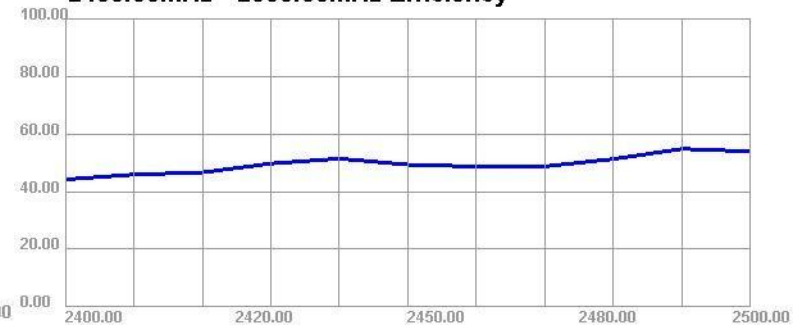
Antenna Anechoic Chamber Test Data

Passive Test For WIFI-2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	44.22	-3.54	4.34	2.19	26.836	17.381	4.34	-16.58	7.88	0	45.51	45.06
2410	45.94	-3.38	4.45	2.3	27.795	18.143	4.45	-14.98	7.83	0	45.14	44.7
2420	46.65	-3.31	4.49	2.34	28.111	18.538	4.49	-14.6	7.8	0	45.67	45.27
2430	49.75	-3.03	4.72	2.57	29.952	19.794	4.72	-13.67	7.75	0	45.28	44.87
2440	51.45	-2.89	4.85	2.7	31.033	20.416	4.85	-13.19	7.74	0	45.75	45.35
2450	49.36	-3.07	4.62	2.47	29.889	19.471	4.62	-14.32	7.69	0	45.36	44.92
2460	48.7	-3.12	4.52	2.37	29.579	19.124	4.52	-15.11	7.65	0	45.39	44.93
2470	48.76	-3.12	4.46	2.31	29.635	19.125	4.46	-16.36	7.58	0	45.43	44.94
2480	51.32	-2.9	4.59	2.44	31.037	20.28	4.59	-16.1	7.49	0	45.48	45
2490	54.83	-2.61	4.8	2.65	32.942	21.887	4.8	-15.52	7.41	0	45.64	45.23
2500	53.97	-2.68	4.75	2.6	32.204	21.762	4.75	-16.39	7.43	0	45.93	45.51

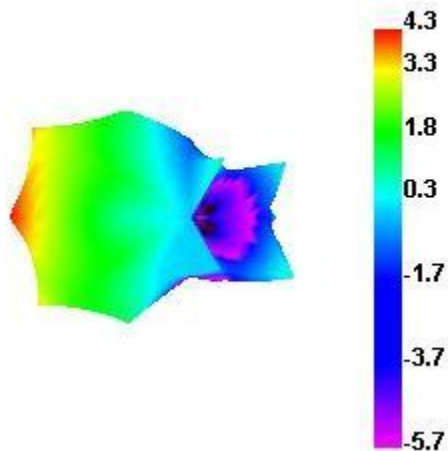
2400.00MHz - 2500.00MHz Gain



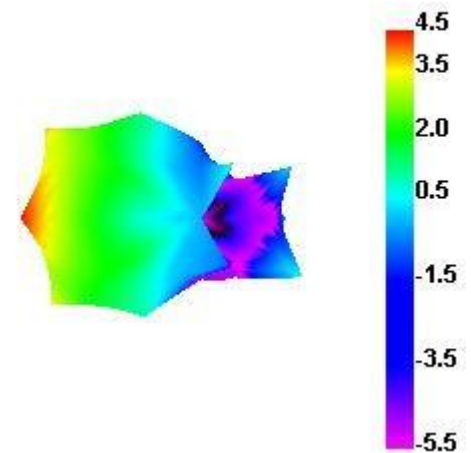
2400.00MHz - 2500.00MHz Efficiency



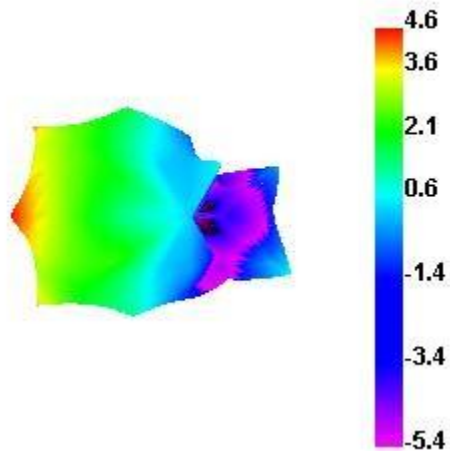
2400.000MHz



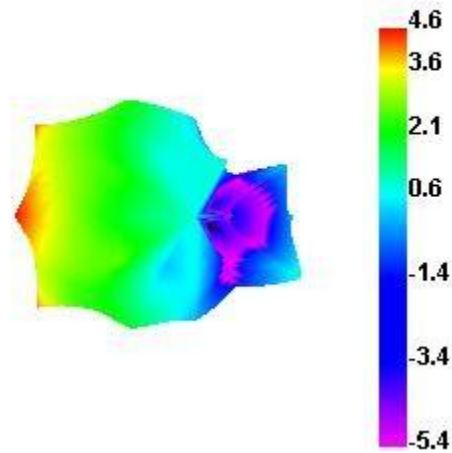
2420.000MHz



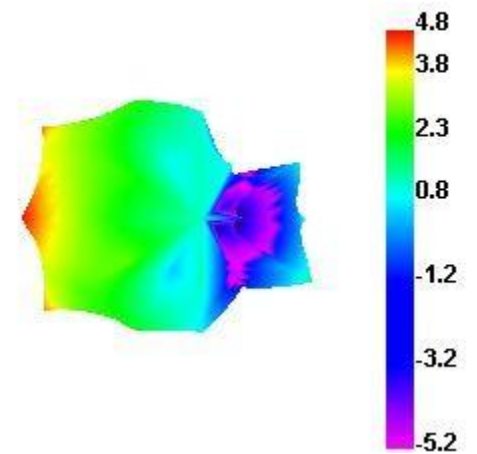
2450.000MHz



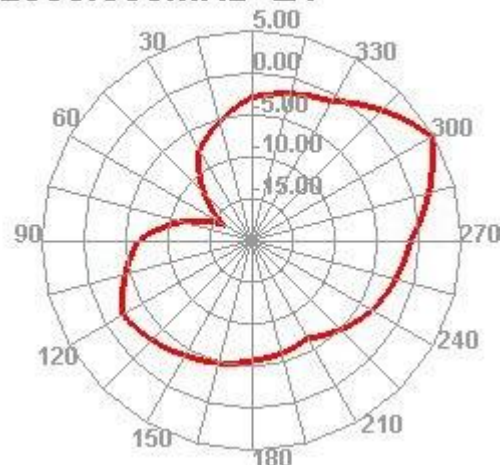
2480.000MHz



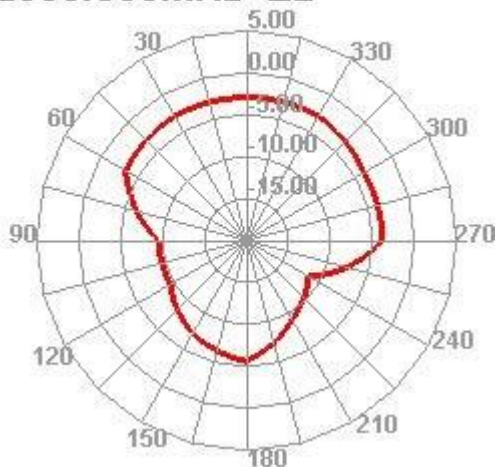
2500.000MHz



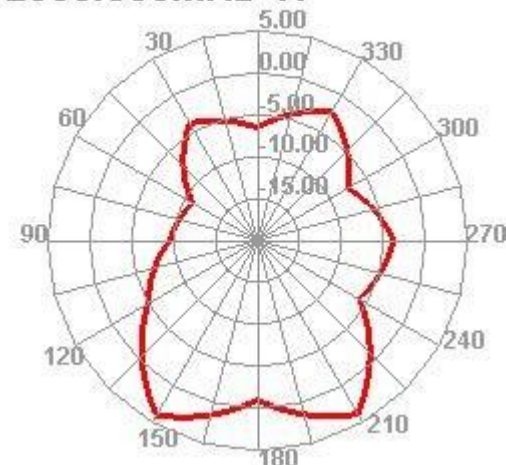
2500.000MHz E1



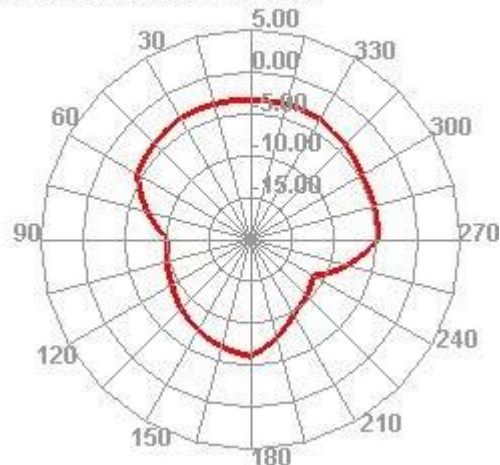
2500.000MHz E2



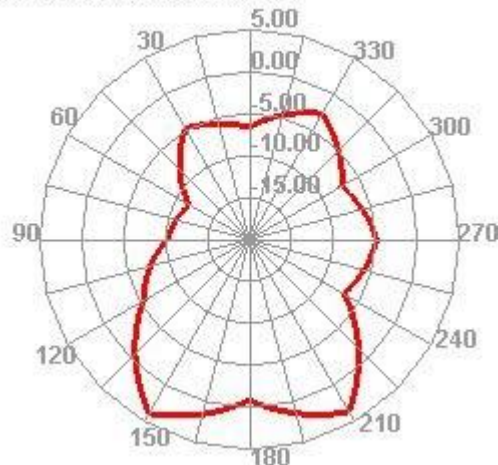
2500.000MHz H



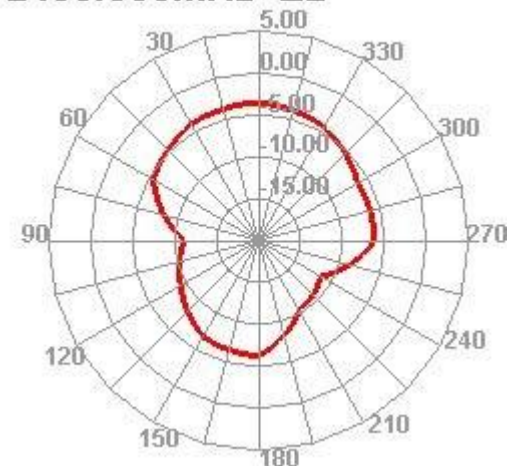
2480.000MHz E2



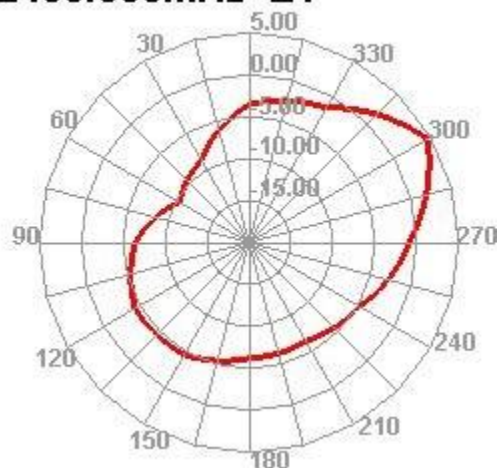
2480.000MHz H



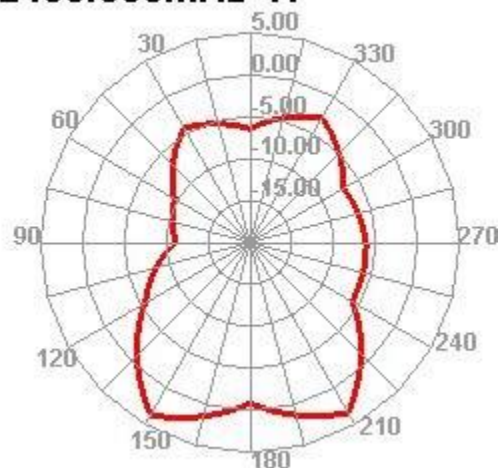
2450.000MHz E2



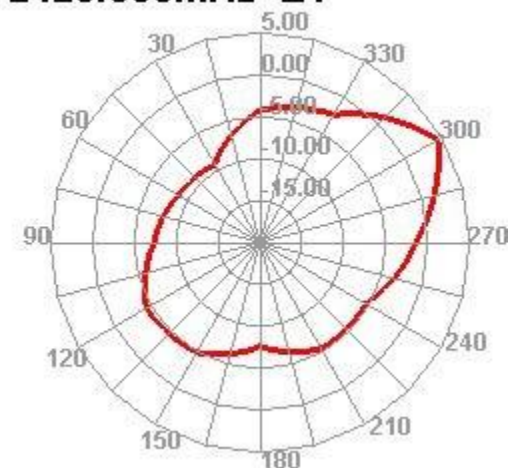
2450.000MHz E1



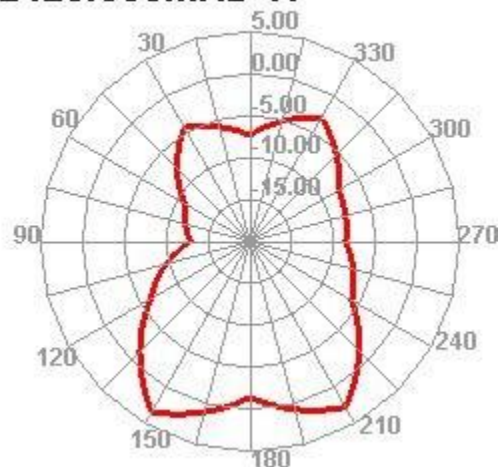
2450.000MHz H



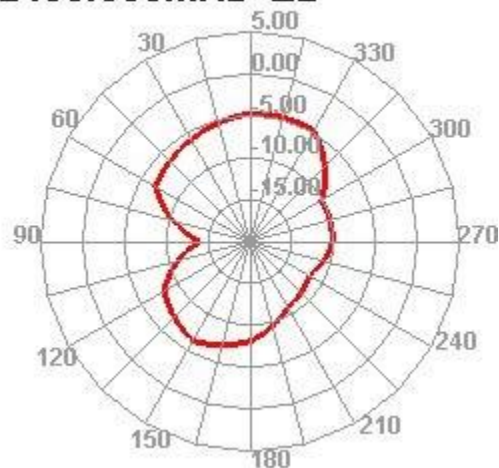
2420.000MHz E1



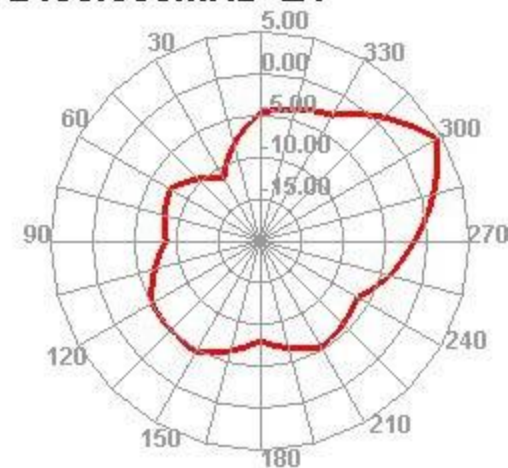
2420.000MHz H



2400.000MHz E2



2400.000MHz E1



2400.000MHz H

